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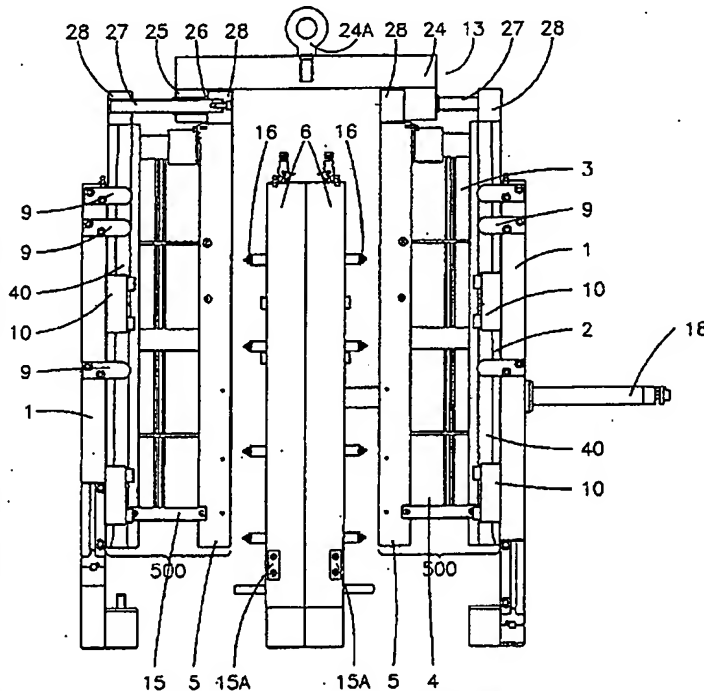
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(54) Title: MODULAR MOLD CHANGE SYSTEM



(57) Abstract: A method of removing
components of an injection mold
machine, comprising a core assembly
including a master core plate (1), a
core plate (2) releasably secured to said
master core plate, said master core plate
including guide means (9) for guiding
said core plate (2) relative to said master
core plate (1); a core insert (3) secured
to said core plate (2); a cavity assembly
comprising a manifold plate (6), a first
cavity plate (5) releasably secured to
the manifold plate (6), a cavity insert
(4) attached to the cavity plate (5), said
cavity assembly moveable relative to
the core assembly such that the cavity
insert (4) and core insert (3) may be
selectively mated together to define
a cavity therebetween, said method
comprising the steps of: (a) moving the
core assembly and cavity assembly into
a closed position whereat the cavity insert
and core insert are mated together; (b)
securing said core plate to said cavity
plate, thereby forming a mold module;
(c) releasing the securing means which
secures the cavity plate to the manifold
plate; (d) opening the mold from the

closed position, until the first cavity plate disengages the manifold plate and all connections thereto, (e) releasing the securing
means which secures the core plate to the master core plate; (f) lifting said mold module in a direction perpendicular to the direction
of motion between said open and closed position, said module being guided in said perpendicular direction by said guide means.

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